

DATE: December 9, 1982

ST. LOUIS AREA DIOXIN INVESTIGATION

CAVALLERO PROPERTY

Site Sampling: December 8, 1982

Team Leader: George P. Keary

INTRODUCTION

This report is a summary of sampling activities at the Cavallero property in St. Louis, Missouri.

SITE HISTORY SUMMARY

The Bliss Waste Oil Service oiled the drive way and horse arena of the Cavallero property for dust control on September 1, 1970.

No excavation has been done on site, however, a ditch was dug across the drive way to put in electrical lines. Sand has been hauled into the arena, the quantity of which is unknown.

There have been no adverse health effects associated with the waste oil spraying.

SITE DESCRIPTION

The Cavallero property is located on 2.5 acres in an unincorporated area between Ferguson and Bellefontaine, Missouri off of Halls Ferry Road at the junction of Lucas and Hunt. It is

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SUPERFUND RECORDS

the third house on the south side of Nemnich Road.

The arena is found south of the drive way and is approximately 100 ft. x 150 ft.

The U shape drive way is about 800 ft. long and 8 - 10 feet wide, and loops around the Cavallero residence. Electrical lines are buried approximately 18" beneath the drive way.

Runoff from the site flows south into Maline Creek, and to a storm drain found southwest of the property.

SAMPLING ACTIVITY

Sampling of the Cavallero property was led by George P. Keary, Team Leader, EPA-VII-ENSV. Assisting him were Tracy Berquist, TAT-IV, Mike Clemmons, TAT-VII, Chuck Moore, TAT-IV, and Keith Schardien, MDNR-Jefferson City, Missouri.

Nine composite soil samples were taken from the site, seven of which were taken in the arena, one in the drive way, and one in the parking area to serve as a control. The following table describes sampling locations, number and depth of aliquots, and sample numbers.

<u>SAMPLE NUMBER</u>	<u>SAMPLE DESCRIPTION</u>
AK0852	Northeast sector of arena. 10 aliquots. Depth 0-8".
AK0853	Northeast sector of arena. 10 aliquots. Depth 0-8".
AK0854	Northwest sector of arena. 10 aliquots. Depth 0-8".
AK0855	Mid-East sector of arena. 10 aliquots. Depth 0-8".
AK0856	Mid-West sector of arena. 10 aliquots. Depth 0-8".
AK0857	Southeast sector of arena. 10 aliquots, 6-8" depth.
AK0858	Southwest sector of arena. 10 aliquots. Depth 0-8".
AK0859	Road. 7 aliquots - 0-8" depth.
AK0860	Background Sample - in parking area. 10 aliquots 0 - 8" depth.
AK0861	Organic vapor monitor.

Attachment

Site History Packet (excluding photos and quadrangle map)